**Amendments to ECE/TRANS/WP.29/GRVA/2021/12**

This document is based on informal GRVA-10-13 prepared by the Task Force on Advanced Driver Assistance System (ADAS). It includes the modifications introduced during the tenth session of the Working Party on Automated/Autonomous and Connected Vehicles (GRVA) at its tenth session, which are highlighted in yellow.

(Text in red colour are amendments to document ECE/TRANS/WP.29/GRVA/2021/12.)

Proposal

*Paragraph 2.4.8.*,amend to read:

“2.4.8. "*Remote Controlled Parking (RCP)*" means an ACSF of category A, actuated by the driver, providing parking or low speed manoeuvring. The actuation is made ~~by remote control~~ in close proximity to the vehicle.”

*Paragraph 2.4.9.*, amend to read:

“2.4.9. "*Specified maximum RCP operating range (SRCPmax)*" means the maximum distance between the nearest point of the motor vehicle and the remote control device **or alternatively the driver (for systems based on detection of driver position and movement),** up to which ACSF is designed to operate.”

*Paragraphs 5.6.1.2.1. and 5.6.1.2.2.* (5.6.1.2. for reference only), amend to read:

“5.6.1.2. Additional provisions for RCP

5.6.1.2.1. The parking manoeuvre shall be initiated by the driver but controlled by the system. A direct influence on steering angle, value of acceleration and deceleration via the remote-control device **or by the ~~motion~~ movement of the driver** shall not be possible.

5.6.1.2.2. **Either** a continuous actuation of the remote-control device by the driver **or alternatively (for systems based on detection of driver position and ~~motion~~ movement) a continuous ~~motion~~ movement of the driver in the same longitudinal direction as the vehicle**, is required during the parking manoeuvre.”

*Paragraph 5.6.1.2.3.*, amend to read:

“5.6.1.2.3. **For systems based on continuous actuation of the remote-control device, the vehicle shall stop immediately** if:

(a) The continuous actuation is interrupted;~~or~~

(b) The distance between vehicle and remote-control deviceexceeds the specified maximum RCP operating range (SRCPmax); or

(c) The signal between remote control and vehicle is lost.

~~the vehicle shall stop immediately~~.

**For systems based on detection of driver position and ~~motion~~ movement, the vehicle shall stop immediately if:**

**(a) The continuous ~~motion~~ movement of the driver is interrupted; ~~or~~**

**(b) The distance between vehicle and remote-control device or driver exceeds the specified maximum RCP operating range (SRCPmax); ~~or~~**

**(c) The detection of the driver is lost; or**

**(d) There is a rapid increase in the movement speed of the driver.**”

*Insert a new paragraph 5.6.1.2.9.,* to read:

**[5.6.1.2.9. For RCP systems based on detection of driver position and movement, the deactivation referred to in paragraph 3.6.1.1.3. shall be trough a simple and obvious action that will be recognised by the system].**

*New paragraph 5.6.1.3.1.4.,* insert to read:

“**5.6.1.3.1.4. For RCP systems based on detection of driver position and ~~motion~~ movement the manufacturer shall ~~provide the~~ demonstrate to the technical ~~authorities with an explanation~~ service during type approval how a person is identified as the driver, ~~and~~ how this person is tracked and how the driver initiates and terminates control. This shall be subject to agreement of the technical service**.”

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_